

## NASS-A SMA to SMA

Features:  
\* Low VSWR

Applications:  
\* Wireless  
\* Transmitter  
\* Laboratory Test  
\* Radar

### Electrical

|                          |                        |
|--------------------------|------------------------|
| Frequency:               | DC~26.5GHz<br>DC~18GHz |
| Impedance of Dielectric: | 5000MΩ min.            |
| Impedance:               | 50Ω                    |

### Mechanical

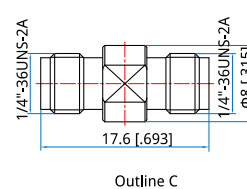
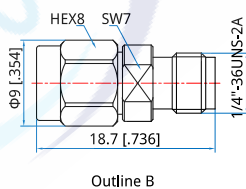
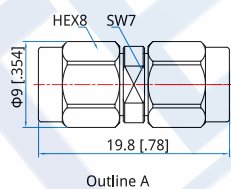
|                    |                                                      |
|--------------------|------------------------------------------------------|
| RF Connectors:     | SMA                                                  |
| Mating Life Cycle: | 500 cycles                                           |
| Outer Conductor:   | Passivated stainless steel                           |
| Dielectric:        | PTFE & PEI                                           |
| Inner Conductor:   | Gold plated beryllium copper<br>or Gold plated brass |

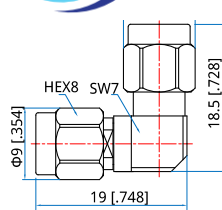
### Environmental

|              |           |
|--------------|-----------|
| Temperature: | -55~+85°C |
|--------------|-----------|

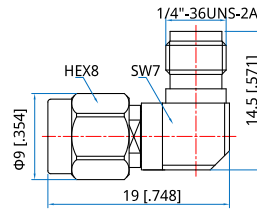
| Model         | Frequency<br>(GHz) | VSWR<br>(max.) | Insertion Loss (dB<br>max.) | Voltage Withstand<br>(V rms) | Impedance of Contact (Center)<br>(mΩ max.) | Impedance of Contact (Outer)<br>(mΩ max.) |
|---------------|--------------------|----------------|-----------------------------|------------------------------|--------------------------------------------|-------------------------------------------|
| NASS-MM-A     | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-MF-A     | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-FF-A     | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-MRPM-A   | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-MRPMRP-A | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-MRPF-A   | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-MFRP-A   | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-MRPFAP-A | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-FRPF-A   | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASS-FRPFAP-A | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASSR-MM-A    | DC~18              | 1.25           | 0.05                        | 1000                         | 4                                          | 2.5                                       |
| NASSR-MM-A-1  | DC~26.5            | 1.2            | 0.08                        | 750                          | 4                                          | 3                                         |
| NASSR-MF-A    | DC~18              | 1.25           | 0.05                        | 1000                         | 4                                          | 2.5                                       |
| NASSR-MF-A-1  | DC~26.5            | 1.2            | 0.08                        | 750                          | 3                                          | 2.5                                       |
| NASSR-FF-A    | DC~18              | 1.25           | 0.05                        | 1000                         | 4                                          | 2.5                                       |
| NASSR-FF-A-1  | DC~26.5            | 1.2            | 0.08                        | 750                          | 3                                          | 2.5                                       |
| NASSH-MF-A    | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASSH-FF-A    | DC~18              | 1.15           | 0.04                        | 1000                         | 3                                          | 2.5                                       |
| NASSL-FF-A    | DC~18              | 1.2            | 0.04                        | 1000                         | 3                                          | 2.5                                       |

### Outline Drawings

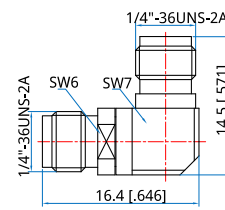




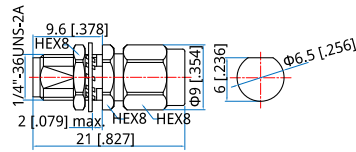
Outline D



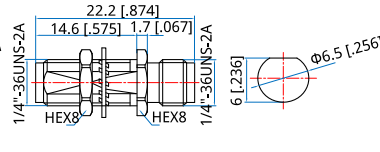
Outline E



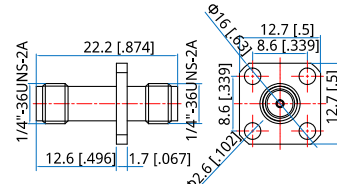
Outline F



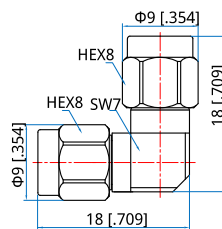
Outline G



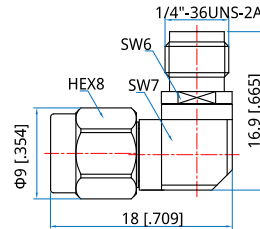
Outline H



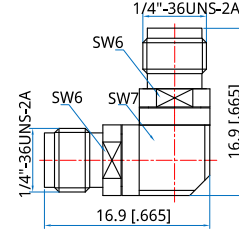
Outline I



Outline J



Outline K



Outline L

Unit: mm [in] Tolerance:  $\pm 0.2\text{mm}$  [ $\pm 0.008\text{in}$ ]

## How To Order

**NASS-MM-A** - SMA(m) to SMA(m), Outline A

**NASS-MF-A** - SMA(m) to SMA(f), Outline B

**NASS-FF-A** - SMA(f) to SMA(f), Outline C

**NASS-MRPM-A** - SMA(m) reversed polarity to SMA(m), Outline A

**NASS-MRPMRP-A** - SMA(m) reversed polarity to reversed polarity SMA(m), Outline A

**NASS-MRPF-A** - SMA(m) reversed polarity to SMA(f), Outline B

**NASS-MFRP-A** - SMA(m) to SMA(f) reversed polarity, Outline B

**NASS-MRPFAP-A** - SMA(m) reversed polarity to SMA(f) reversed polarity, Outline B

**NASS-FRPF-A** - SMA(f) reversed polarity to SMA(f), Outline C

**NASS-FRPFAP-A** - SMA(f) reversed polarity to SMA(f) reversed polarity, Outline C

**NASSR-MM-A** - SMA(m) to SMA(m) right angle, Outline D

**NASSR-MM-A-1** - SMA(m) to SMA(m) right angle, 26.5GHz, Outline J

**NASSR-MF-A** - SMA(m) to SMA(f) right angle, Outline E

**NASSR-MF-A-1** - SMA(m) to SMA(f) right angle, 26.5GHz, Outline K

**NASSR-FF-A** - SMA(f) to SMA(f) right angle, Outline F

**NASSR-FF-A-1** - SMA(f) to SMA(f) right angle, 26.5GHz, Outline L

**NASSH-MF-A** - SMA(m) to SMA(f) bulk head, Outline G

**NASSH-FF-A** - SMA(f) to SMA(f) bulk head, Outline H

**NASSL-FF-A** - SMA(f) to SMA(f) flange mount, Outline I

Customization is available upon request.